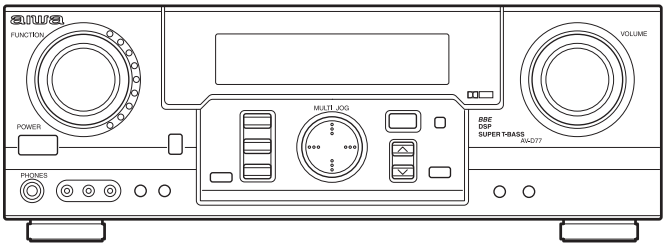
aiwa
SERVICE

AV-S17 U



SERVICE MANUAL

STEREO AV RECEIVER

• This Service manual does not include “Electrical adjustment”, “IC BLOCK DIAGRAM” and “IC DESCRIPTION”. These items will be issued in the next supplement.

aiwa

S/M Code No. 09-007-435-0N1

ONE TIME DATA

SPECIFICATIONS

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity	13.2 dBf
Antenna terminals	75 ohms(unbalanced)

AM tuner section

Tuning range	531 - 1,602 kHz (9 kHz step) 530 - 1,702 kHz (10 kHz step)
Usable sensitivity	350uV/m
Antenna	Loop antena

Amplifier section

Power output	100 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion
Total harmonic distortion	0.08%(50 W,1 kHz, 8 ohms, Front)
Input	AUDIO IN PHONO: 1.5mV, adjustable(47 k ohms) VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, CD, AUX: 200mV, adjustable(47 k ohms) TAPE MONITOR: 250 mV, (47 k ohms) VIDEO IN: 1 Vp-p (75 ohms)
Output	AUDIO OUT (REC OUT): 200 mV (1 kohm) VIDEO OUT (MONITOR): 1 Vp-p (75 ohms) SUB WOOFER: 2V (47 kohms) SPEAKERS IMP: 8 ohm (front speakers A and B): accepts speakers of 8 ohms or more. PHONES (stereo minijack): accepts headphones of 32 ohms or more
Muting	-20dB

General

Power requirements	120V AC, 60 Hz
Power consumption	75W
Power consumption in standby mode	ECO OFF: 17W ECO ON: 1W
Dimensions (W x H x D)	430 x 155 x 392.5 mm (17 x $6^1/_8$ x $15^1/_2$ in.)
Weight	9.1 kg (20 lb 1oz.)

• Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-AR5-903-010		IB,U(ESF)M
2	87-006-225-010		ANT,LOOP ANT NC2
3	87-043-115-010		FEEDER-ANT,FM
4	8A-AR5-701-010		RC UNIT,RC-AAR04 BLK

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-017-022-080		C-IC,NJM2068M-D(T1)
	87-017-726-080		C-IC,BU4052BCF
	87-A21-202-040		C-IC,M62445AFP
	87-020-784-080		C-IC,TC4053BF
	8A-AR5-601-010		C-IC,UPD780226-016-3BA
	87-070-083-010		IC,GP1U281X
	87-A20-820-010		IC,BA7625
	87-017-917-080		C-IC,BU4066BCF
TRANSISTOR			
	87-A30-197-080		TR,KTA1267GR
	87-026-245-080		TR,DTC114ES
	87-A30-198-080		TR,KTC3199GR
	89-110-372-080		C-TR,2SA1037K(R)
	89-213-702-010		TR,2SB1370E
	87-A30-083-080		TR,CSD1489B
	87-A30-075-080		C-TR,2SA1235F
	87-A30-076-080		C-TR,2SC3052F
	87-026-610-080		TR,KTC3198GR
	87-026-609-080		TR,KTA1266GR
	87-A30-257-080		C-TR,2SD1306E
	87-A30-107-070		C-TR,CMBT5401
	87-A30-190-080		TR,CC5551
	87-A30-097-010		TR,FN1016
	87-A30-098-010		TR,FP1016
	87-A30-106-070		C-TR,CMBT5551
	87-A30-186-010		FET,2SK3053
	87-A30-072-080		C-TR,RT1P 144C
	87-A30-074-080		C-TR,RT1P 141C
	87-026-236-080		C-TR,DTC124EK
	87-026-232-080		C-TR,DTA144WK
	87-A30-071-080		C-TR,RT1N 144C
	87-A30-087-080		C-FET,2SK2158
DIODE			
	87-020-465-080		DIODE,1SS133
	87-A40-345-080		ZENER,MTZJ10C
	87-A40-468-080		C-DIODE,HSM2836CTR
	87-A40-115-060		DIODE,RS603M
	87-A40-469-080		C-DIODE,HSM2838CTR
	87-A40-004-080		ZENER,MTZJ16A
	87-A40-335-080		ZENER,MTZJ11C T-72
	87-A40-224-010		DIODE,GBU8DL
	87-070-274-080		DIODE,1N4003 SEM
	87-A40-435-080		ZENER,MTZJ30D
	87-A40-341-080		ZENER,MTZJ36A
	87-A40-646-010		DIODE,FMB-G16L
	87-A40-437-080		ZENER,MTZJ4.3B
	87-070-136-080		ZENER,MTZJ5.1B
	87-A40-488-080		DIODE,1SS244
	87-A40-438-080		ZENER,MTZJ4.7A
	87-A40-344-080		ZENER,MTZJ6.2C
MAIN C.B			
C101	87-010-235-080		CAP,E 470-16 M SME
C102	87-010-235-080		CAP,E 470-16 M SME
C103	87-010-384-080		CAP,E 100-25 M 11L SME
C104	87-010-382-010		CAP,E 22-25 M SME
C105	87-010-247-080		CAP,E 100-50 M SME
C106	87-010-384-080		CAP,E 100-25 M 11L SME
C107	87-010-263-080		CAP,E 100-10 M 11L SME
C108	87-012-140-080		C-CAP,S 470P-50 J CH
C109	87-012-368-080		C-CAP,S 0.1-50 Z F
C110	87-012-368-080		C-CAP,S 0.1-50 Z F
C111	87-012-368-080		C-CAP,S 0.1-50 Z F
C112	87-012-368-080		C-CAP,S 0.1-50 Z F
C113	87-016-658-090		CAP,E 4700-35 M SMG
C114	87-016-658-090		CAP,E 4700-35 M SMG
C115	87-012-368-080		C-CAP,S 0.1-50 Z F
C116	87-012-368-080		C-CAP,S 0.1-50 Z F
C117	87-012-368-080		C-CAP,S 0.1-50 Z F
C118	87-012-368-080		C-CAP,S 0.1-50 Z F
C119	87-A10-462-090		CAP,E 6800-63 SMG VB
C120	87-A10-462-090		CAP,E 6800-63 SMG VB
C121	87-010-260-080		CAP,E 47-25 M 11L SME
C122	87-010-403-080		CAP,E 3.3-50 M 11L SME
C123	87-010-385-080		CAP,E 220-25 M SME
C124	87-010-385-080		CAP,E 220-25 M SME
C125	87-010-247-080		CAP,E 100-50 M SME
C126	87-010-263-080		CAP,E 100-10 M 11L SME
C127	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C143	87-A10-712-080		C-CAP,S 0.22-50 Z F
C144	87-A10-712-080		C-CAP,S 0.22-50 Z F
C203	87-010-176-080		C-CAP,S 680P-50 J SL
C204	87-010-176-080		C-CAP,S 680P-50 J SL
C205	87-010-405-080		CAP,E 10-50 M 11L SME
C206	87-010-405-080		CAP,E 10-50 M 11L SME
C209	87-010-392-080		CAP,E 33-35 M 11L SME
C210	87-010-392-080		CAP,E 33-35 M 11L SME
C211	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C212	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C215	87-A10-897-080		CAP,E 100-25 BP SME
C216	87-A10-897-080		CAP,E 100-25 BP SME
C217	87-A10-516-080		C-CAP,S 100P-200 J CH
C218	87-A10-516-080		C-CAP,S 100P-200 J CH
C221	87-A10-369-080		C-CAP,S 0.47-16 K B
C222	87-A10-369-080		C-CAP,S 0.47-16 K B
C223	87-010-402-080		CAP,E 2.2-50 M 11L SME
C224	87-010-402-080		CAP,E 2.2-50 M 11L SME
C225	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C226	87-016-251-080		CAP,E 220-16 M SMG
C227	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C228	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C229	87-016-251-080		CAP,E 220-16 M SMG
C230	87-A10-354-080		C-CAP,S 0.047-50 K B
C231	87-A10-354-080		C-CAP,S 0.047-50 K B
C241	87-A12-314-080		CAP,CER 47P-500 J SL
C242	87-A12-314-080		CAP,CER 47P-500 J SL
C285	87-010-186-080		C-CAP,S 4700P-50 K B C2012
C287	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C288	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C289	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C290	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C291	87-012-368-080		C-CAP,S 0.1-50 Z F
C292	87-012-368-080		C-CAP,S 0.1-50 Z F
C293	87-012-368-080		C-CAP,S 0.1-50 Z F
C294	87-012-368-080		C-CAP,S 0.1-50 Z F
C295	87-012-368-080		C-CAP,S 0.1-50 Z F
C296	87-012-368-080		C-CAP,S 0.1-50 Z F
C297	87-012-368-080		C-CAP,S 0.1-50 Z F
C298	87-012-368-080		C-CAP,S 0.1-50 Z F
C501	87-010-404-080		CAP,E 4.7-50 M 11L SME
C502	87-010-404-080		CAP,E 4.7-50 M 11L SME
C503	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C504	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C511	87-010-404-080		CAP,E 4.7-50 M 11L SME
C512	87-010-404-080		CAP,E 4.7-50 M 11L SME
C513	87-010-260-080		CAP,E 47-25 M 11L SME
C514	87-010-260-080		CAP,E 47-25 M 11L SME
C515	87-010-370-080		CAP,E 330-6.3 M SME
C516	87-010-370-080		CAP,E 330-6.3 M SME
C517	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C518	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C519	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C520	87-010-196-080		C-CAP,S 0.1-25 Z F C2012

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C531	87-010-213-080		C-CAP,S 0.015-25 K B GRM
C532	87-010-992-080		C-CAP,S 0.047-25 K B MK212
C533	87-015-785-080		C-CAP, 0.1-25 Z F C3216
C535	87-010-404-080		CAP,E 4.7-50 M 11L SME
C536	87-010-404-080		CAP,E 4.7-50 M 11L SME
C539	87-010-401-080		CAP,E 1-50 M 11L SME
C540	87-010-401-080		CAP,E 1-50 M 11L SME
C541	87-010-185-080		C-CAP,S 3900P-50 K B
C542	87-010-185-080		C-CAP,S 3900P-50 K B
C547	87-010-404-080		CAP,E 4.7-50 M 11L SME
C548	87-010-404-080		CAP,E 4.7-50 M 11L SME
C549	87-016-081-080		C-CAP,S 0.1-16 K R GRM
C550	87-016-081-080		C-CAP,S 0.1-16 K R GRM
C554	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C555	87-010-405-080		CAP,E 10-50 M 11L SME
C556	87-010-248-080		CAP,E 220-10 M 11L SME
C557	87-010-405-080		CAP,E 10-50 M 11L SME
C560	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C561	87-012-140-080		C-CAP,S 470P-50 J CH
C562	87-012-140-080		C-CAP,S 470P-50 J CH
C565	87-010-404-080		CAP,E 4.7-50 M 11L SME
C566	87-010-404-080		CAP,E 4.7-50 M 11L SME
C605	87-010-405-080		CAP,E 10-50 M 11L SME
C606	87-010-405-080		CAP,E 10-50 M 11L SME
C701	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C702	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C745	87-012-368-080		C-CAP,S 0.1-50 Z F
C746	87-012-368-080		C-CAP,S 0.1-50 Z F
C901	87-010-406-080		CAP,E 22-50 M 11L SME
C902	87-010-406-080		CAP,E 22-50 M 11L SME
C903	87-010-406-080		CAP,E 22-50 M 11L SME
C904	87-010-406-080		CAP,E 22-50 M 11L SME
C905	87-010-406-080		CAP,E 22-50 M 11L SME
C906	87-010-260-080		CAP,E 47-25 M 11L SME
C907	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C908	87-010-387-080		CAP,E 470-25 M SME
C909	87-010-371-080		CAP,E 470-6.3 M SME
C910	87-010-371-080		CAP,E 470-6.3 M SME
C911	87-010-371-080		CAP,E 470-6.3 M SME
C912	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C913	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C914	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C920	87-016-299-080		CAP,E 10-100 M SME
CN110	87-A60-621-010		CONN,4P V 2MM JMT
CN201	8A-AR5-621-010		CONN ASSY,2P
CN501	87-A60-039-010		CONN,32P V 9604S-32C
CN503	87-A60-056-010		CONN,12P V 9604S-12C
CN503	88-912-161-110		FF-CABLE,12P 1.25 160MM
CN901	87-A60-619-010		CONN,2P V 2MM JMT
⚠ J201	87-A60-199-010		TERMINAL,SP 8P CJ-9034-07 V0
J501	87-099-609-010		JACK,PIN 4P BLK W/O SW
J502	87-099-609-010		JACK,PIN 4P BLK W/O SW
J715	87-A60-244-010		JACK,PIN 1P BLK W/O SW
J901	87-099-911-010		JACK,PIN 3P YEL W/O SW
J902	87-099-912-010		JACK,PIN 3P YEL W/O SW W/E
J903	87-099-911-010		JACK,PIN 3P YEL W/O SW
J904	87-099-911-010		JACK,PIN 3P YEL W/O SW
J905	87-099-911-010		JACK,PIN 3P YEL W/O SW
L291	87-003-383-010		COIL,1UH K
L292	87-003-383-010		COIL,1UH K
L293	87-003-383-010		COIL,1UH K
L294	87-003-383-010		COIL,1UH K
L901	87-005-239-080		COIL,100UH K LAL03
⚠ PR101	87-026-691-080		FUSE,10A 125V 251
⚠ PR104	87-026-691-080		FUSE,10A 125V 251
⚠ PR201	87-026-691-080		FUSE,10A 125V 251
⚠ PR202	87-026-691-080		FUSE,10A 125V 251
⚠ R109	87-029-060-080		RES,FUSE 33-1/4W J
R143	87-A00-261-080		RES,M/F 0.56-1W J
R211	87-A00-418-010		RES,M/F 0.15-3W J
R212	87-A00-418-010		RES,M/F 0.15-3W J
R231	87-A00-418-010		RES,M/F 0.15-3W J
R232	87-A00-418-010		RES,M/F 0.15-3W J
R233	87-A00-418-010		RES,M/F 0.15-3W J
R234	87-A00-418-010		RES,M/F 0.15-3W J
R281	87-A00-373-050		RES,M/F 270-1W J VTP
R282	87-A00-373-050		RES,M/F 270-1W J VTP
R283	87-A00-373-050		RES,M/F 270-1W J VTP
R284	87-A00-373-050		RES,M/F 270-1W J VTP
S291	87-A90-174-010		SW,PUSH 2-2-2 R2121382ES
S292	87-A90-174-010		SW,PUSH 2-2-2 R2121382ES
TH201	87-A91-081-080		C-THMS,100K-K 20P
TH202	87-A91-081-080		C-THMS,100K-K 20P
W003	8Z-NF3-645-010		CONN ASSY,9P VH
WH101	87-A90-510-010		HLDR,WIRE 2.5-9P

FRONT C.B

C801	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C803	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C805	87-012-141-080		C-CAP,S 0.22-16 Z F C2012
C806	87-010-400-040		CAP,E 0.47-50 M 11L SME
C807	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C808	87-010-498-040		CAP,E 10-16 M 5L SRE
C809	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C810	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C811	87-A10-189-040		CAP,E 220-10 M 5L
C812	87-A10-189-040		CAP,E 220-10 M 5L
C814	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C816	87-010-312-080		C-CAP,S 15P-50 J CH GRM
C817	87-012-155-080		C-CAP,S 180P-50 J CH GRM
C818	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C819	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C820	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C821	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C822	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C823	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C824	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C825	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C826	87-010-405-040		CAP,E 10-50 M 11L SME
C827	87-010-198-080		C-CAP,S 0.022-25 K B C2012
C829	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C831	87-A10-189-040		CAP,E 220-10 M 5L
C832	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C833	87-012-368-080		C-CAP,S 0.1-50 Z F
C834	87-012-368-080		C-CAP,S 0.1-50 Z F
C835	87-012-368-080		C-CAP,S 0.1-50 Z F
C836	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C837	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C838	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C839	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C840	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C841	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C842	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C843	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C844	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C847	87-010-405-040		CAP,E 10-50 M 11L SME
C848	87-010-405-040		CAP,E 10-50 M 11L SME
C849	87-012-368-080		C-CAP,S 0.1-50 Z F
C850	87-010-408-040		CAP,E 47-50 M 11L SME
C855	87-010-405-040		CAP,E 10-50 M 11L SME
C866	87-012-140-080		C-CAP,S 470P-50 J CH
CN801	87-A60-079-010		CONN,08P H 9604S-08F
CN801	88-908-101-110		FF-CABLE, 8P 1.25 100MM
CN802	87-A60-064-010		CONN,32P H 9604S-32F
CN802	8A-AR3-643-010		FF-CABLE,32P 1.25 430MM
CN805	87-A60-083-010		CONN,04P H 9604S-04F
CN805	88-904-101-110		FF-CABLE, 4P 1.25 100MM
FL801	8A-AR5-602-010		FL,9-BT-172GNK
L801	87-A50-434-010		COIL,CLK 4.19M(TOKO)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED703	87-A40-317-080		LED,SLR-342VCT31 RED
LED705	87-A40-317-080		LED,SLR-342VCT31 RED
LED706	87-A40-317-080		LED,SLR-342VCT31 RED
LED707	87-A40-317-080		LED,SLR-342VCT31 RED
LED708	87-A40-317-080		LED,SLR-342VCT31 RED
LED709	87-A40-317-080		LED,SLR-342VCT31 RED
LED710	87-A40-317-080		LED,SLR-342VCT31 RED
LED711	87-A40-317-080		LED,SLR-342VCT31 RED
LED712	87-A40-317-080		LED,SLR-342VCT31 RED
S801	87-A90-095-080		SW,TACT EVQ11G04M
S802	87-A90-095-080		SW,TACT EVQ11G04M
S806	87-A90-095-080		SW,TACT EVQ11G04M
S807	87-A90-095-080		SW,TACT EVQ11G04M
S809	87-A90-095-080		SW,TACT EVQ11G04M
S812	87-A90-095-080		SW,TACT EVQ11G04M
S813	87-A90-095-080		SW,TACT EVQ11G04M
S814	87-A90-095-080		SW,TACT EVQ11G04M
S816	87-A90-095-080		SW,TACT EVQ11G04M
S817	87-A90-095-080		SW,TACT EVQ11G04M
SW801	87-A91-646-010		SW,RTRY EC12E12204
SW802	87-A91-647-010		SW,RTRY EC12E12504
VOLUME C.B			
C607	87-010-178-080		C-CAP,S 1000P-50 K B C2012
CN601	87-A60-083-010		CONN,04P H 9604S-04F
S601	87-A90-095-080		SW,TACT EVQ11G04M
S602	87-A90-095-080		SW,TACT EVQ11G04M
SW601	87-A91-645-010		SW,RTRY EC12E24304NON-CLICK
VIDEO C.B			
C501	87-A11-148-080		CAP,TC U 0.1-50 Z F
C502	87-A11-148-080		CAP,TC U 0.1-50 Z F
C503	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C504	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C507	87-A11-148-080		CAP,TC U 0.1-50 Z F
CN604	87-099-201-010		CONN,8P H BLK 6216
CN605	8A-AR3-652-010		CONN ASSY,2P -VIDEO 3
FB501	87-008-372-080		FLTR,EMI BL01 RN1
FB602	87-008-372-080		FLTR,EMI BL01 RN1
J501	87-A60-606-010		JACK,PIN 3P R/W/Y W/O SW H
J603	87-A60-550-010		JACK,DIA6.3 BLK ST W/SW KM
PT C.B			
C001	87-010-387-080		CAP,E 470-25 M SME
C002	87-010-403-080		CAP,E 3.3-50 M 11L SME
C003	87-A11-148-080		CAP,TC U 0.1-50 Z F
C004	87-A11-148-080		CAP,TC U 0.1-50 Z F
C005	87-A11-148-080		CAP,TC U 0.1-50 Z F
⚠ C007	87-A10-922-090		CAP,CER 0.01-250 M F KH
CN101	88-805-042-690		CONN ASSY,4P
CN103	87-A61-057-010		CONN,9P V THL-P09P-A1
⚠ F101	87-035-493-010		FUSE,8A 125V T 237
⚠ FC101	87-A90-160-080		FUSE CLAMP,FC 51F
⚠ FC102	87-A90-160-080		FUSE CLAMP,FC 51F
⚠ PR001	87-A91-276-080		FUSE,125MA 125V F 251
⚠ PR105	87-026-691-080		FUSE,10A 125V 251
⚠ PR106	87-026-691-080		FUSE,10A 125V 251
⚠ PT002	8Z-NF8-661-010		PT,SUB ZNF-8(U)
⚠ PT101	8Z-AR4-601-010		PT,ZAR-4(U)
⚠ RY001	87-A90-977-010		RELAY,AC12V DG12D1-O(M)
⚠ T001	87-A60-317-010		TERMINAL, 1P MSC
⚠ T002	87-A60-317-010		TERMINAL, 1P MSC
TUNER C.B			
C701	87-010-260-080		CAP,E 47-25V
C702	87-010-404-080		CAP,E 4.7-50V
C703	87-012-286-080		CAP,U 0.01-25
C704	87-012-286-080		CAP,U 0.01-25
C709	87-012-195-080		C-CAP,U 100P-50CH
C711	87-010-263-080		CAP,ELECT 100-10V
C712	87-010-196-080		CHIP CAPACITOR,0.1-25
C713	87-012-286-080		CAP,U 0.01-25
C714	87-012-286-080		CAP,U 0.01-25
C717	87-012-286-080		CAP,U 0.01-25
C719	87-012-286-080		CAP,U 0.01-25
C721	87-012-176-080		CAP,15P
C722	87-012-176-080		CAP,15P
C723	87-012-274-080		CHIP CAP,U 1000P-50B
C725	87-012-274-080		CHIP CAP,U 1000P-50B
C727	87-010-196-080		CHIP CAPACITOR,0.1-25
C728	87-010-248-080		CAP,ELECT 220-10V
C755	87-012-286-080		CAP,U 0.01-25
C756	87-012-286-080		CAP,U 0.01-25
C757	87-012-188-080		C-CAP,U 47P-50 CH
C758	87-012-167-080		C-CAP,U 5P-50 CH
C761	87-010-196-080		CHIP CAPACITOR,0.1-25
C763	87-010-829-080		CAP,U 0.047-16
C764	87-012-337-080		C-CAP,U 56P-50 CH
C765	87-012-286-080		C-CAP,U 0.01-25
C769	87-010-408-080		CAP,ELECT 47-50 M 11L
C770	87-010-829-080		CAP,U 0.047-16
C771	87-010-383-080		CAP,ELECT 33-25 M 11L
C772	87-010-829-080		CAP,U 0.047-16
C773	87-010-196-080		CHIP CAPACITOR,0.1-25
C774	87-010-263-080		CAP,ELECT 100-10V
C775	87-010-404-080		CAP,ELECT 4.7-50V
C776	87-012-286-080		CAP,U 0.01-25
C777	87-010-400-080		CAP,ELECT 0.47-50V
C778	87-010-401-080		CAP,ELECT 1-50V
C779	87-010-401-080		CAP,ELECT 1-50V
C780	87-010-196-080		CHIP CAPACITOR,0.1-25
C781	87-010-405-080		CAP,ELECT 10-50V
C782	87-010-405-080		CAP,ELECT 10-50V
C783	87-012-286-080		CAP,U 0.01-25
C784	87-012-286-080		CAP,U 0.01-25
C785	87-010-805-080		CAP,S 1-16
C786	87-010-805-080		CAP,S 1-16
C787	87-012-280-080		CAP,U 3300P-50
C788	87-012-280-080		CAP,U 3300P-50
C789	87-012-275-080		C-CAP,U 1200P-50 B
C790	87-012-275-080		C-CAP,U 1200P-50 B
C791	87-010-405-080		CAP,ELECT 10-50V
C793	87-012-273-080		C-CAP,U 820P-50 B
C794	87-010-406-080		CAP,ELECT 22-50
C795	87-010-194-080		C-CAP,S 0.047-25 FZ
C796	87-010-403-080		CAP,ELECT 3.3-50V
C797	87-012-278-080		CAP,U 2200P-50
C798	87-012-278-080		CAP,U 2200P-50
C799	87-010-829-080		CAP,U 0.047-16
C812	87-012-286-080		CAP,U 0.01-25
C813	87-010-196-080		CHIP CAPACITOR,0.1-25
C814	87-012-286-080		CAP,U 0.01-25
C819	87-010-197-080		CAP,CHIP 0.01 DM
C820	87-010-260-080		CAP,ELECT 47-25V
C821	87-012-286-080		CAP,U 0.01-25
C822	87-012-286-080		CAP,U 0.01-25
C823	87-012-286-080		CAP,U 0.01-25
C828	87-010-196-080		CHIP CAPACITOR,0.1-25
C829	87-010-196-080		CHIP CAPACITOR,0.1-25
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-012-170-080		C-CAP,U 8P-50 CH
CF801	87-008-261-080		FILTER,SFE 10.7MA5-A
CF802	87-008-261-080		FILTER,SFE 10.7MA5-A
CF801	87-008-261-080		FILTER,SFE 10.7MA5-A
CN601	87-099-028-010		CONN,11P 6216 H
FFE801	A8-8ZA-190-030		8ZA-1 FEUNM
J801	87-A60-657-010		TERMINAL,4P HSP-154V5-02

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L771	87-A50-266-010		COIL,FM DET-2N(TOK)
L772	87-A90-733-010		FLTR,PCFAZH-450
L781	87-005-847-080		COIL,2.2UH(CECS)
L791	87-A50-209-010		COIL,1 POLE MPX(MIT)
L792	87-A50-209-010		COIL,1 POLE MPX(MIT)
L832	87-005-847-080		COIL,2.2UH(CECS)
L981	87-NF4-650-010		COIL,AM PACK4N(TOK)
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

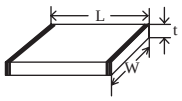
8 8 – □ □ □ □ □ □

A
抵抗部品コード
Resistor Code

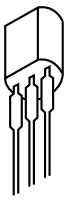
桁表示
Figure

抵抗値
Value of resistor

チップ抵抗
Chip resistor

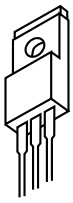
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B

CC5551
KTA1266
KTC3198

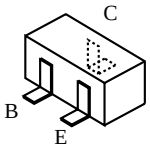


B C E

2SB1370
FN1016
FP1016

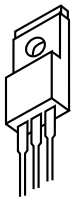
E C B

DTC114ES
KTC3199
KTA1267



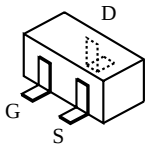
2SA1037
2SA1235
2SC3052
2SD1306
CMBT5401
CMBT5551

DTA144WK
DTC124EK
RT1N144C
RT1P141C
RT1P144C



G D S

2SK3053



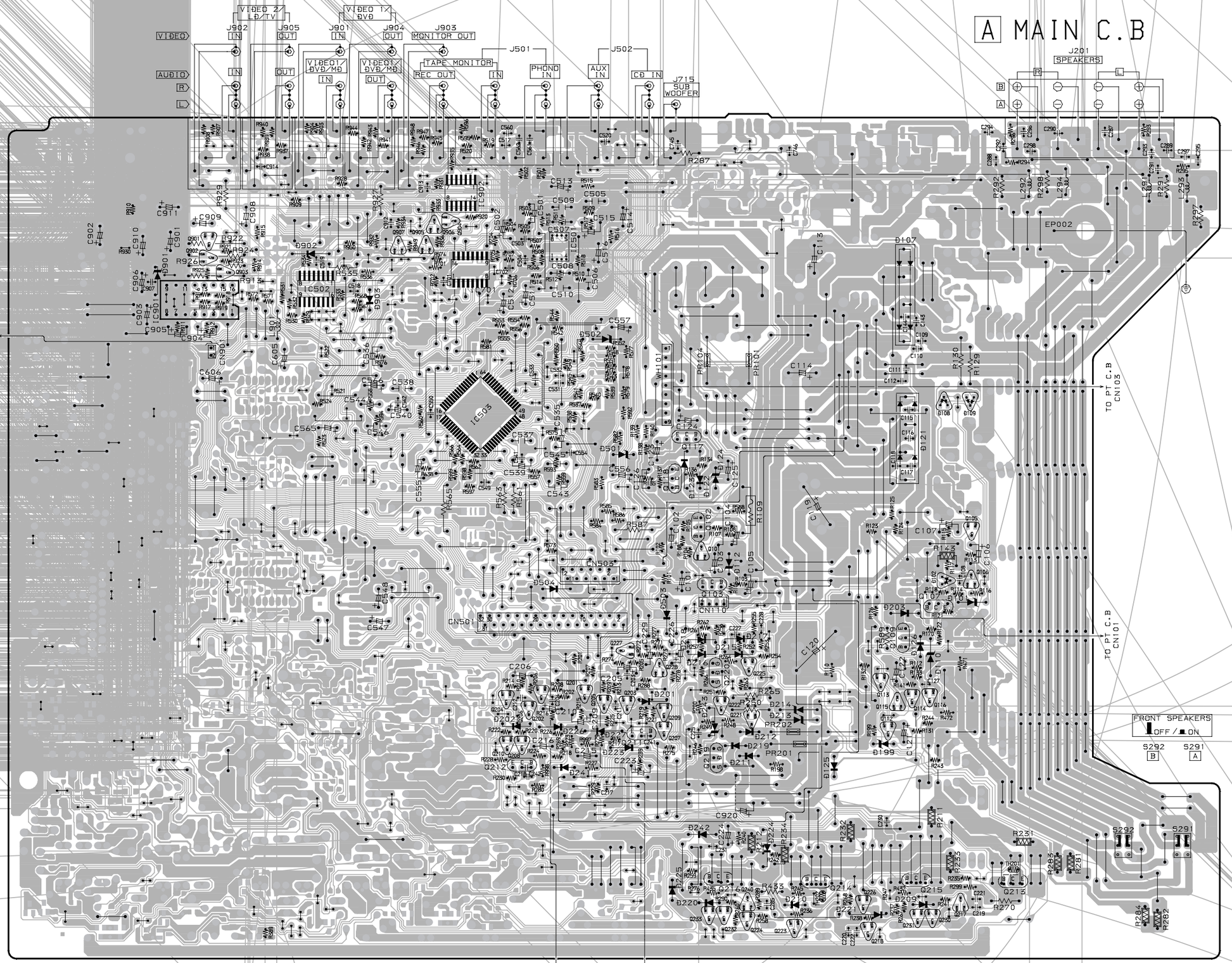
2SK2158

E C B

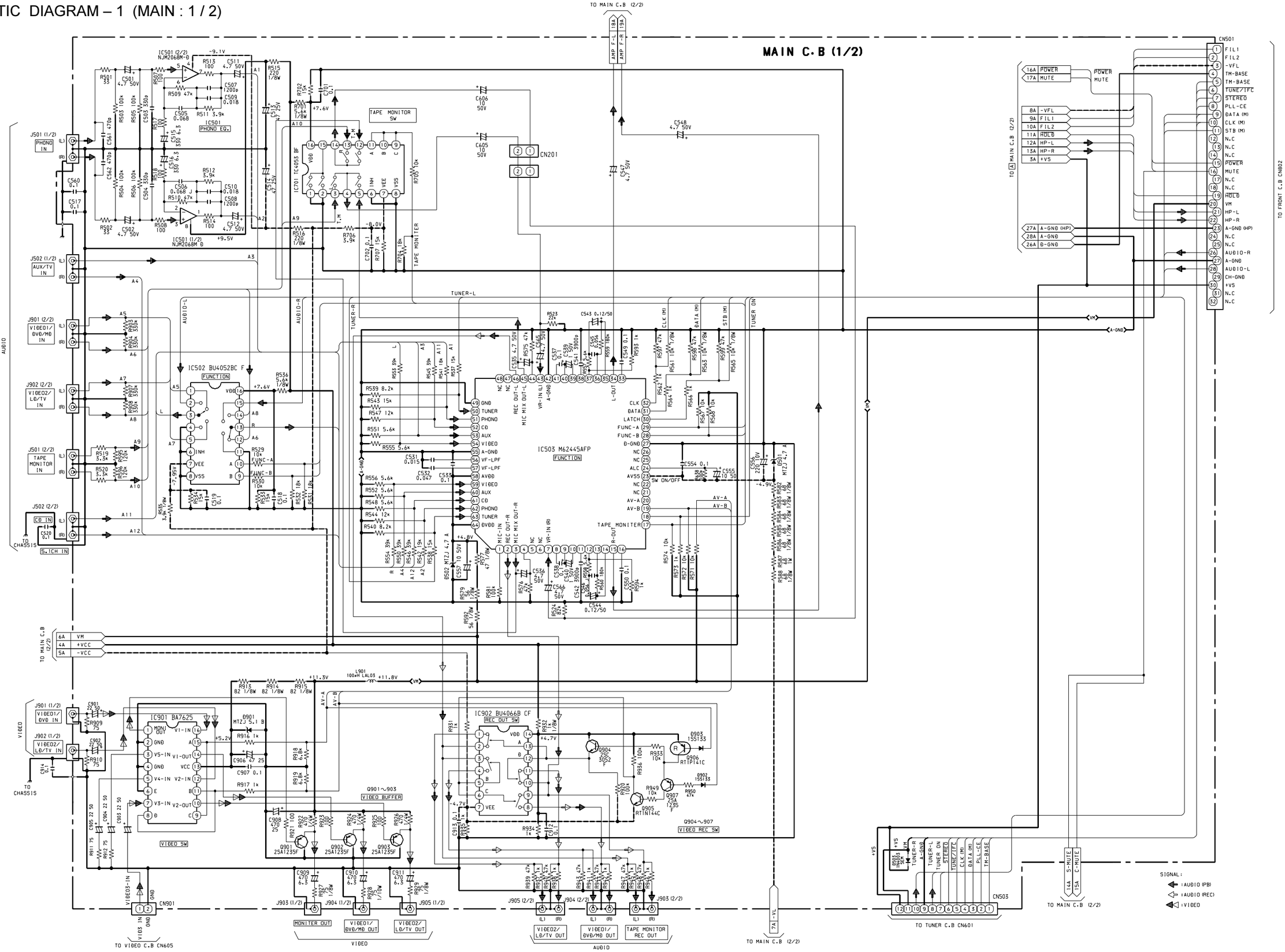
CSD1489

WIRING-1 (MAIN)

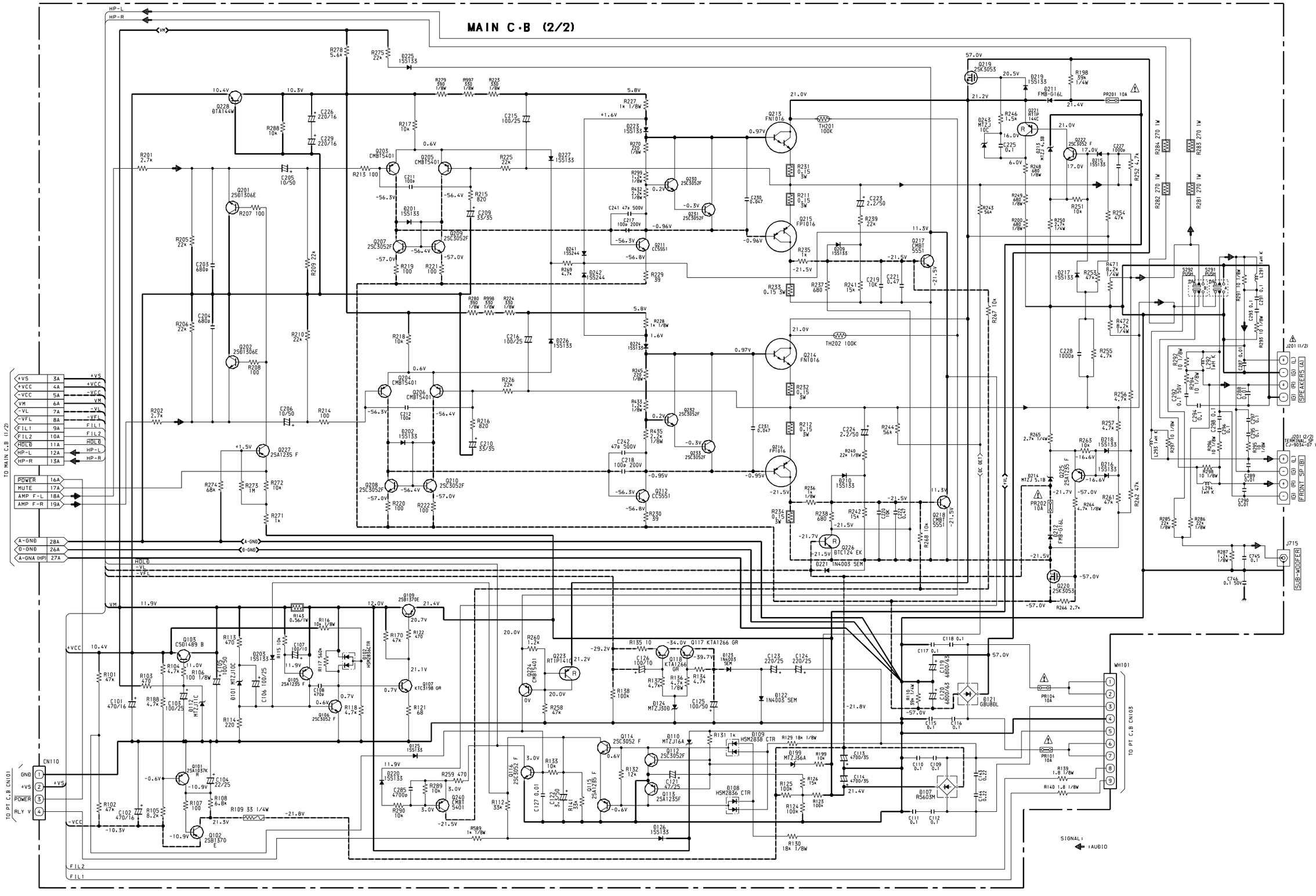
A MAIN C.B



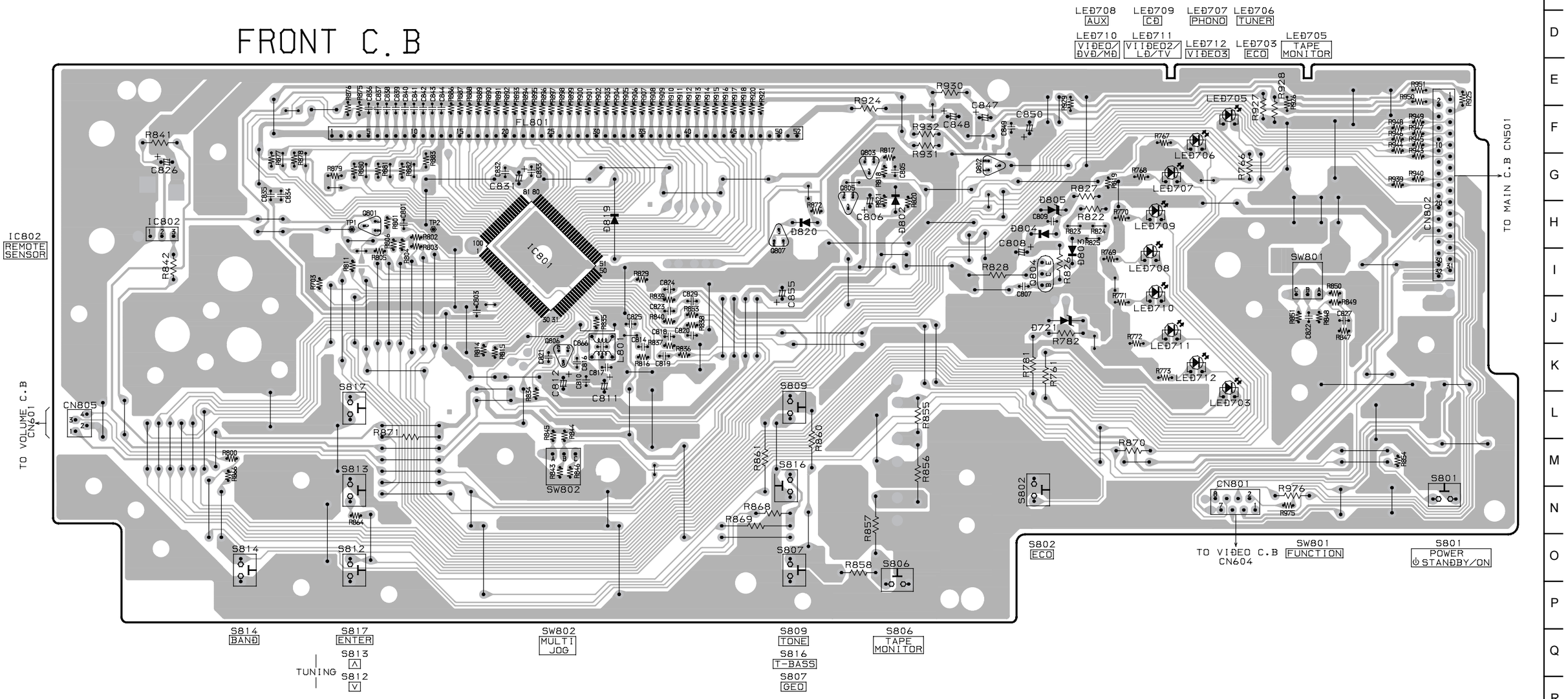
SCHEMATIC DIAGRAM – 1 (MAIN : 1 / 2)



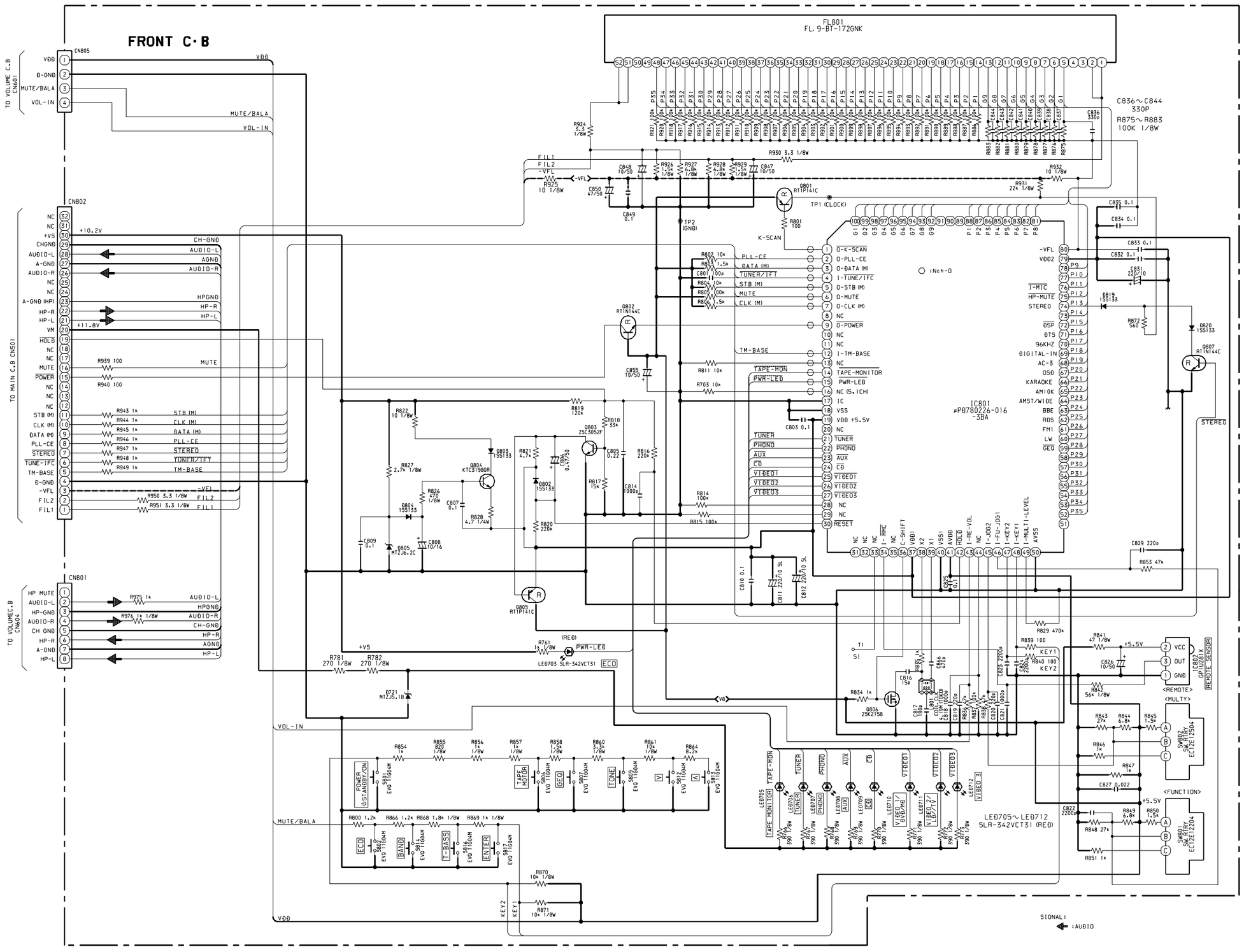
SCHEMATIC DIAGRAM – 2 (MAIN : 2 / 2)



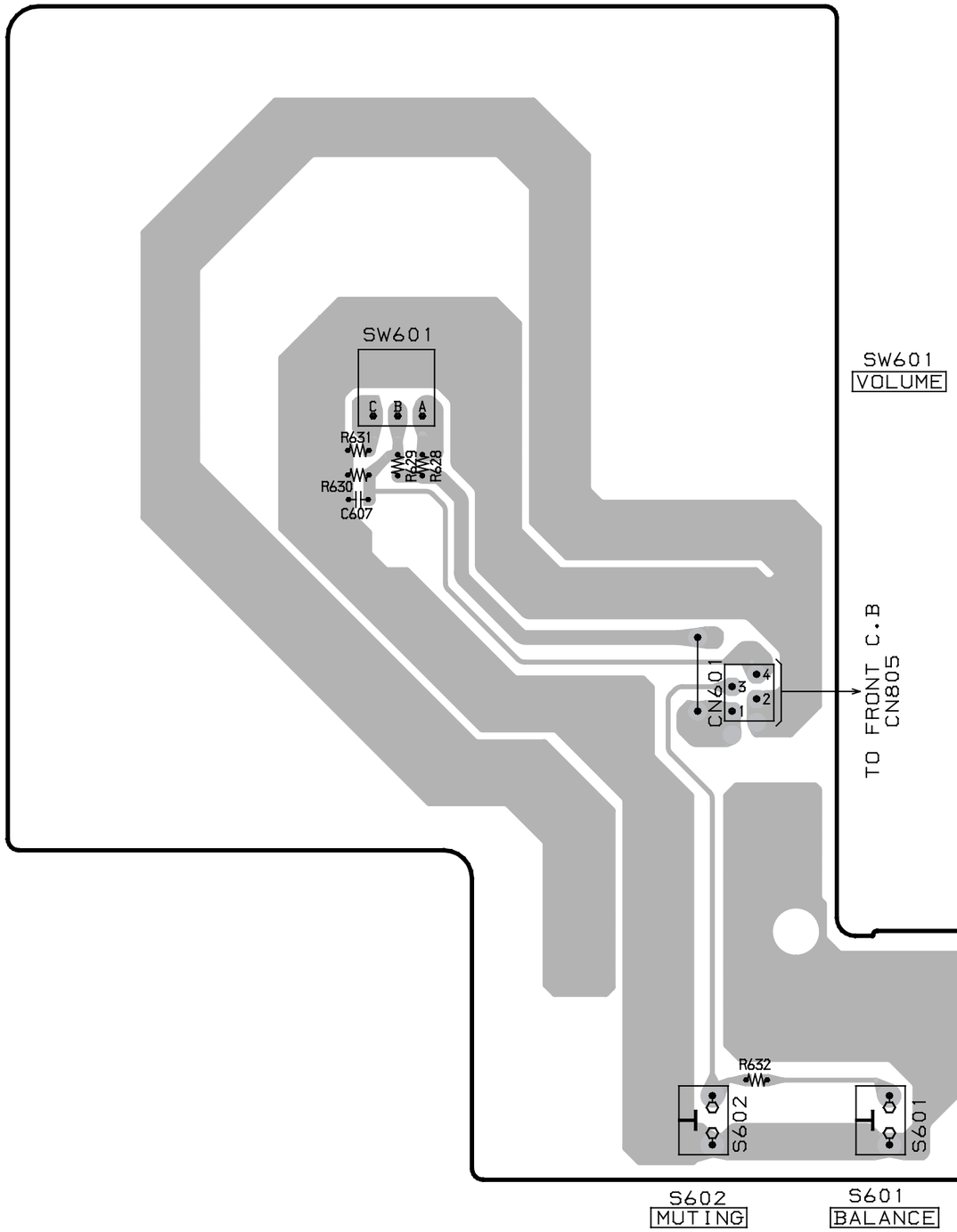
FRONT C.B


LED708 AUX
LED709 CD
LED707 PHONO
LED706 TUNER
LED710 VIDEO/DVD/MD
LED711 VIDEO2/LD/TV
LED712 VIDEO3
LED703 ECO
LED705 TAPE MONITOR
TO MAIN C.B CN501
CN802
IC802 REMOTE SENSOR
IC801
FL801
SW801
TO VOLUME C.B CN601
CN805
CN801
TO VIDEO C.B CN604
S814 BAND
S817 ENTER
S813 ∧
TUNING
S812 ∨
SW802 MULTI JOG
S809 TONE
S816 T-BASS
S807 GEO
S806 TAPE MONITOR
S802 ECO
SW801 FUNCTION
S801 POWER ⏻ STANDBY/ON

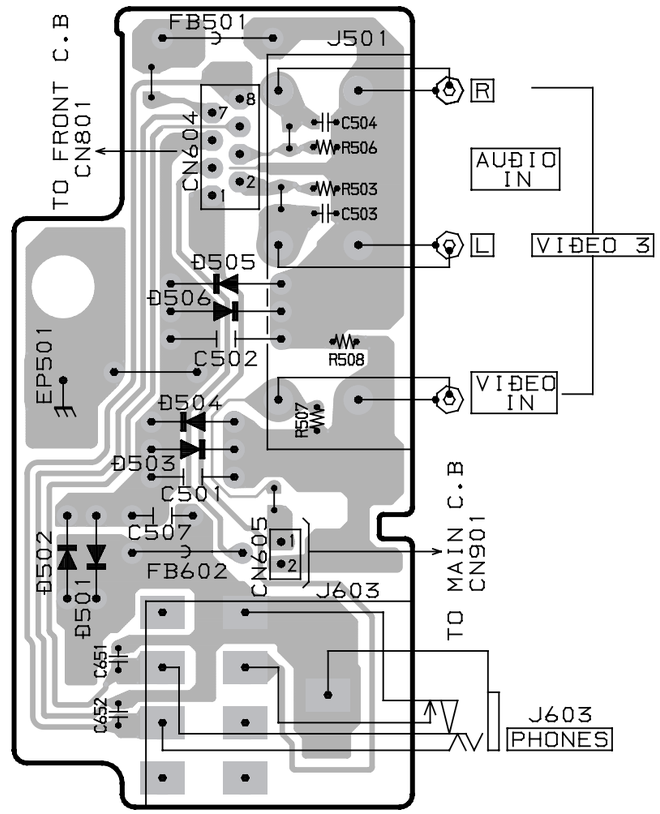
SCHEMATIC DIAGRAM – 3 (FRONT)



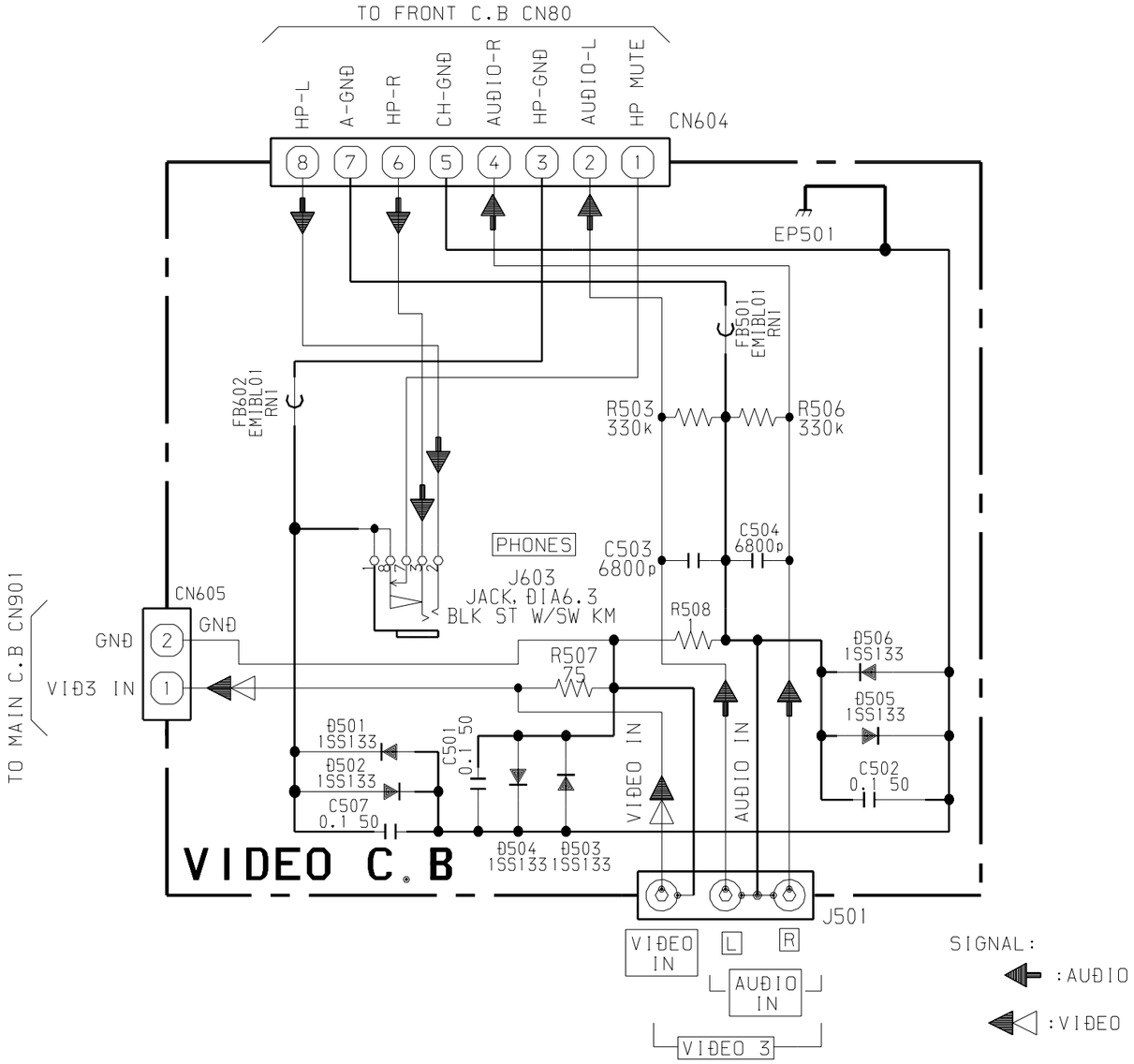
VOLUME C.B

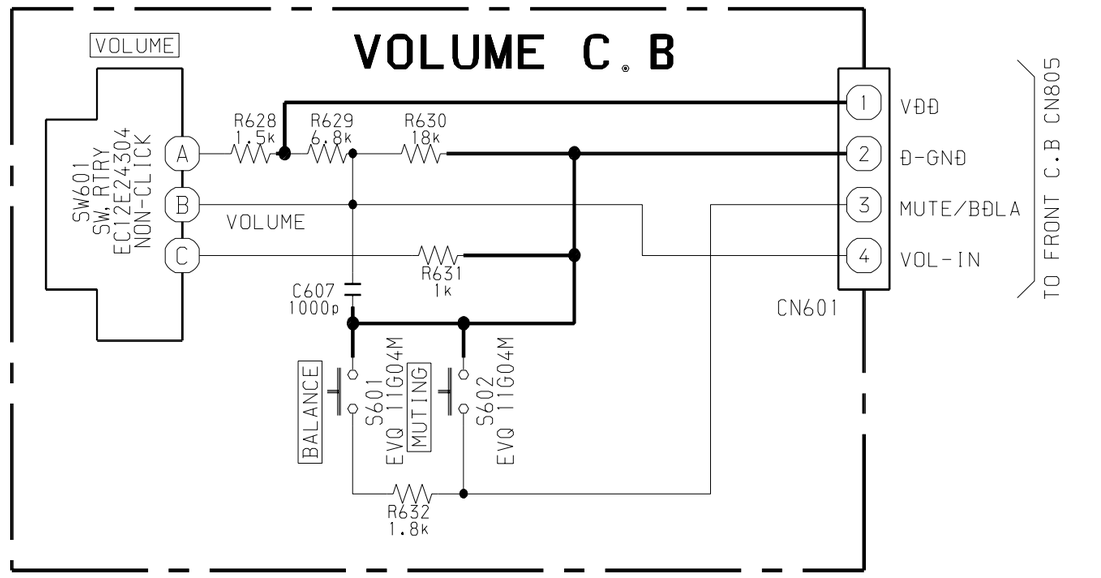


VIĐEO C.B

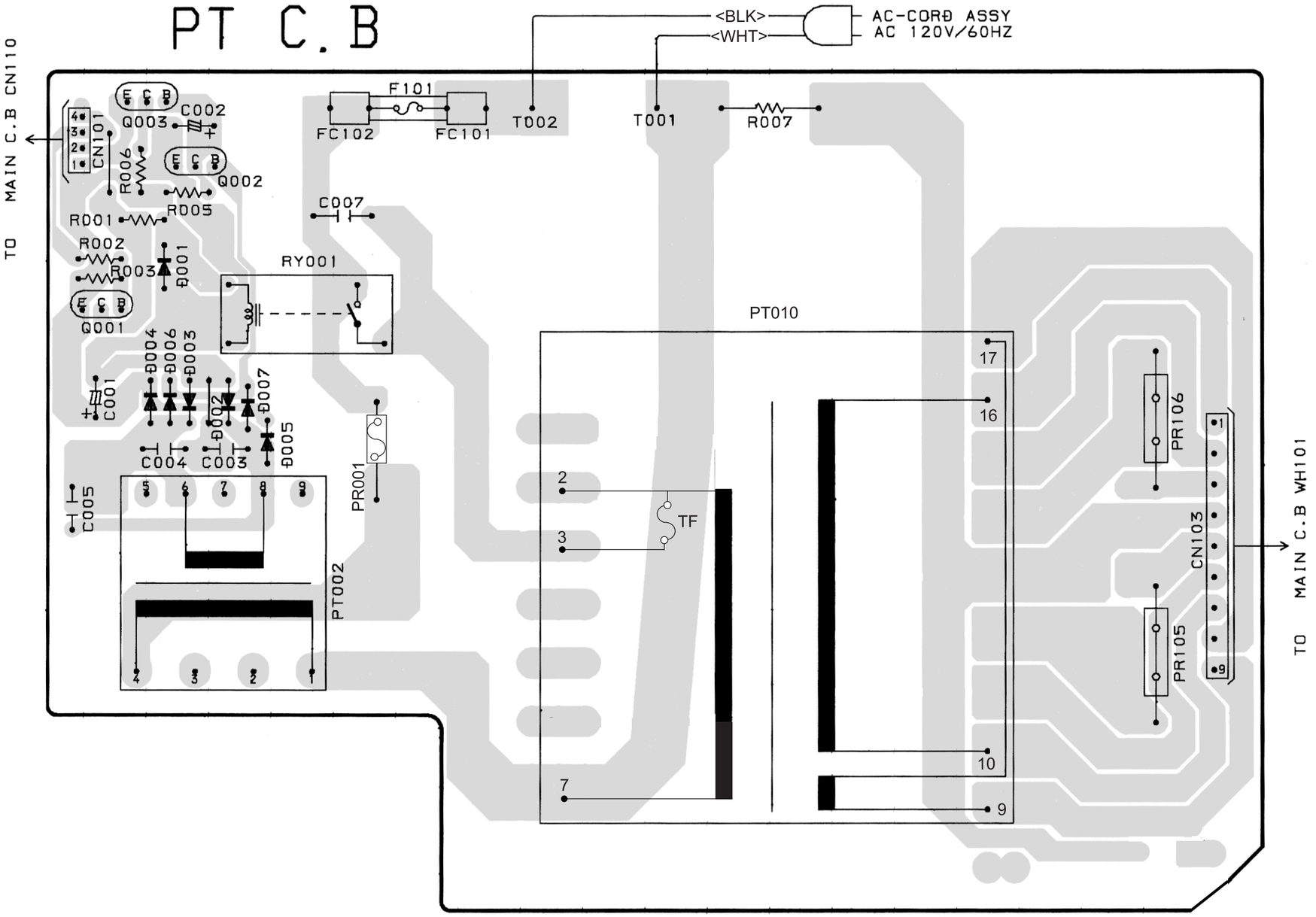


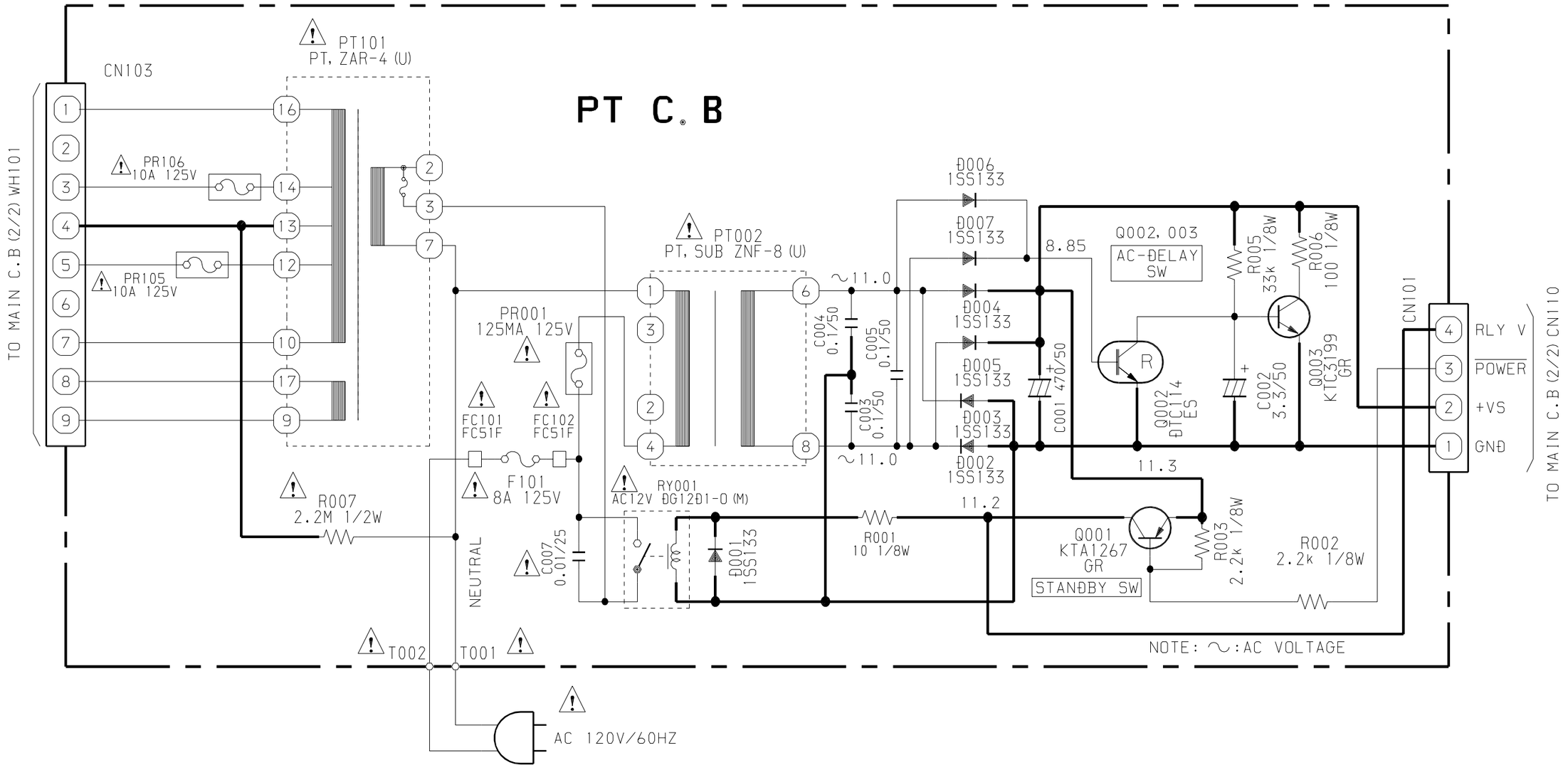
SCHEMATIC DIAGRAM – 4 (VOLUME / VIDEO)



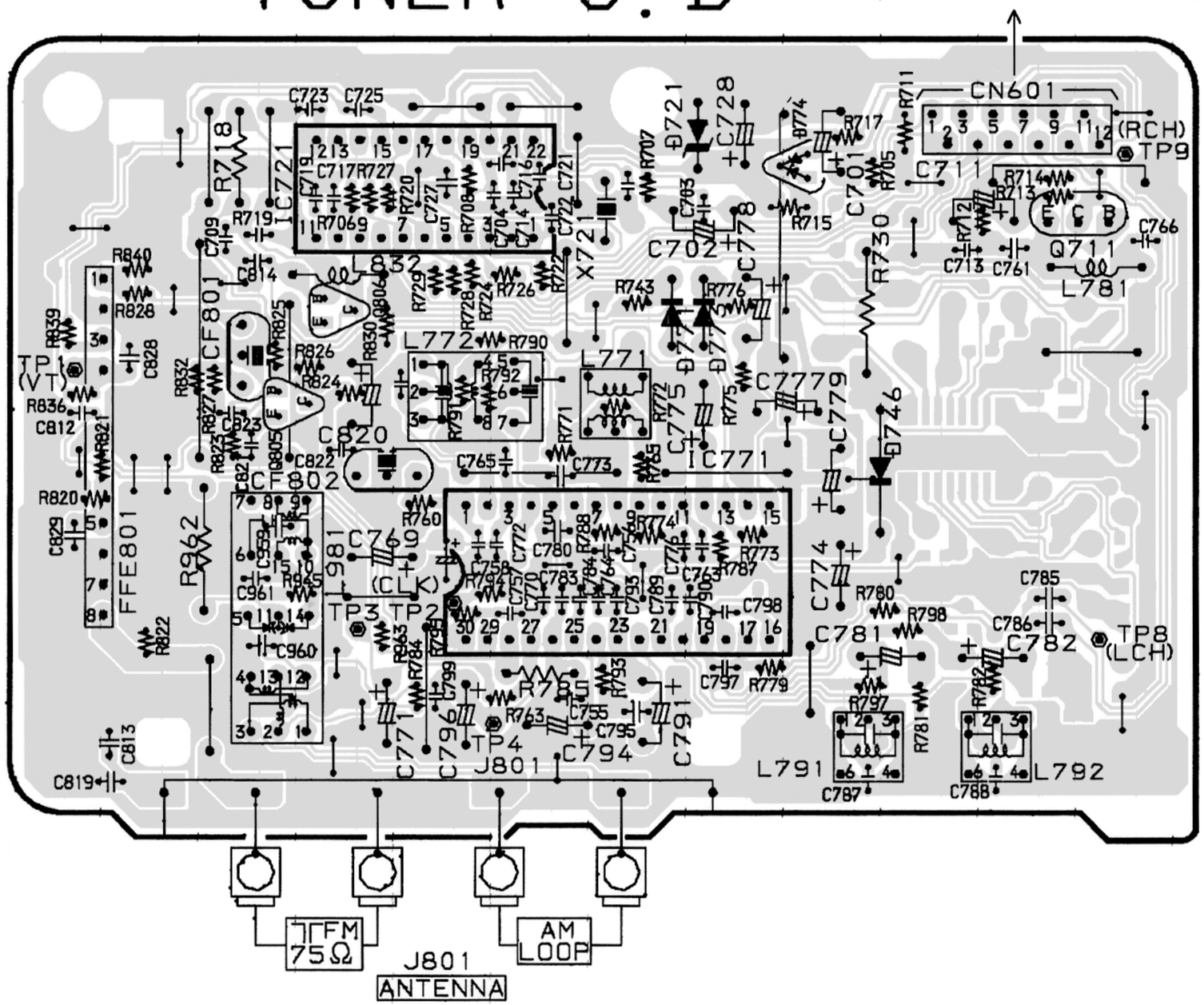


PT C.B


<BLK>
<WHT>
AC-CORD ASSY
AC 120V/60HZ
TO MAIN C.B CN110
TO MAIN C.B WH101
CN101
CN103
F101
FC102
FC101
T002
T001
R007
R006
R005
R001
R002
R003
Q001
Q002
Q003
C001
C002
C003
C004
C005
C007
D001
D002
D003
D004
D005
D006
D007
RY001
PR001
PR105
PR106
PT002
PT010
TF
2
3
7
9
10
16
17


PT C.B
PT101
PT, ZAR-4 (U)
CN103
TO MAIN C.B (2/2) WH101
PR106
10A 125V
PR105
10A 125V
PT002
PT, SUB ZNF-8 (U)
PR001
125MA 125V
FC101
FC51F
FC102
FC51F
F101
8A 125V
RY001
AC12V ĐG12Đ1-O (M)
R007
2.2M 1/2W
C007
0.01/25
Đ001
1SS133
NEUTRAL
T002
T001
AC 120V/60HZ
Đ006
1SS133
Đ007
1SS133
Đ004
1SS133
Đ005
1SS133
Đ003
1SS133
Đ002
1SS133
C004
0.1/50
C005
0.1/50
C003
0.1/50
C001
470/50
11.0
11.0
8.85
11.3
11.2
Q002, 003
AC-ĐELAY
SW
Q002
ĐTC114
ES
R005
33k 1/8W
R006
100 1/8W
C002
3.3/50
Q003
KTC3199
GR
R001
10 1/8W
Q001
KTA1267
GR
STANĐBY SW
R003
2.2k 1/8W
R002
2.2k 1/8W
CN101
RLY V
POWER
+VS
GNĐ
TO MAIN C.B (2/2) CN110
NOTE: ∼:AC VOLTAGE

TUNER C.B


FROM MAIN C.B CN503
CN601
(RCH)
TP9
TP8
(LCH)
TP1
(VT)
TP2
TP3
TP4
(CLK)
J801
ANTENNA
FM
75Ω
AM
LOOP
IC721
IC771
X721
Q711
L781
L771
L772
L791
L792
CF801
CF802
FFE801
C820
C702
C778
C728
C721
C746
C779
C774
C781
C782
C711
C730
C701
C771
C796
C791
C794
C981
C962
R718
R719
R730
R715
R743
R776
R774
R717
R711
R705
R707
R714
R713
R712
R840
R828
R839
R836
R820
R822
R962
R826
R824
R825
R830
R832
R827
R823
R821
R790
R792
R791
R771
R772
R775
R760
R788
R787
R773
R780
R798
R797
R781
R785
R763
R784
C719
C717
R727
R720
C727
R708
C704
C714
C716
C722
C723
C725
C709
C814
C828
C812
C823
C822
C805
C765
C773
C772
C780
C758
C770
C783
C784
C764
C775
C776
C763
C793
C789
C790
C798
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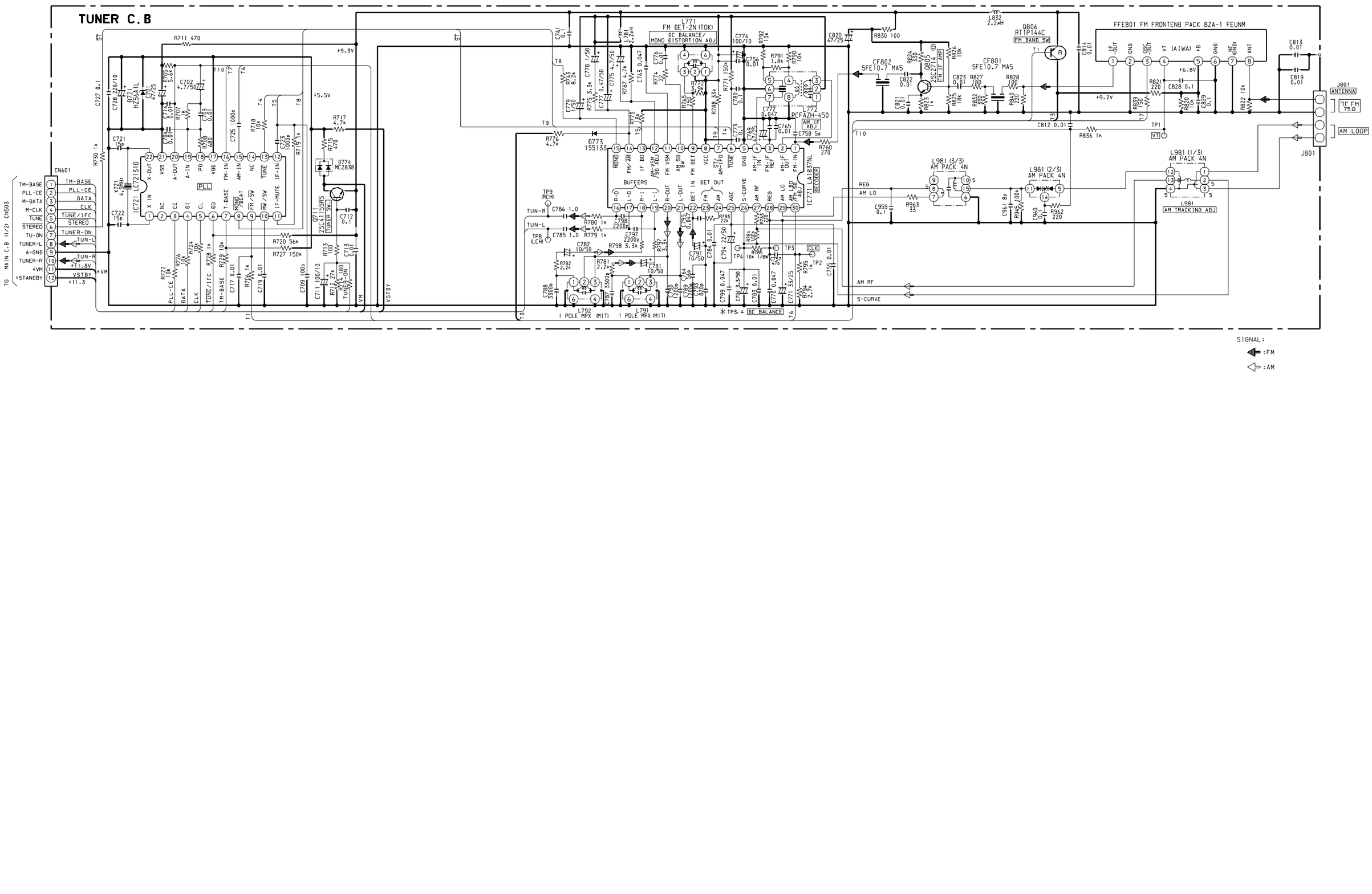
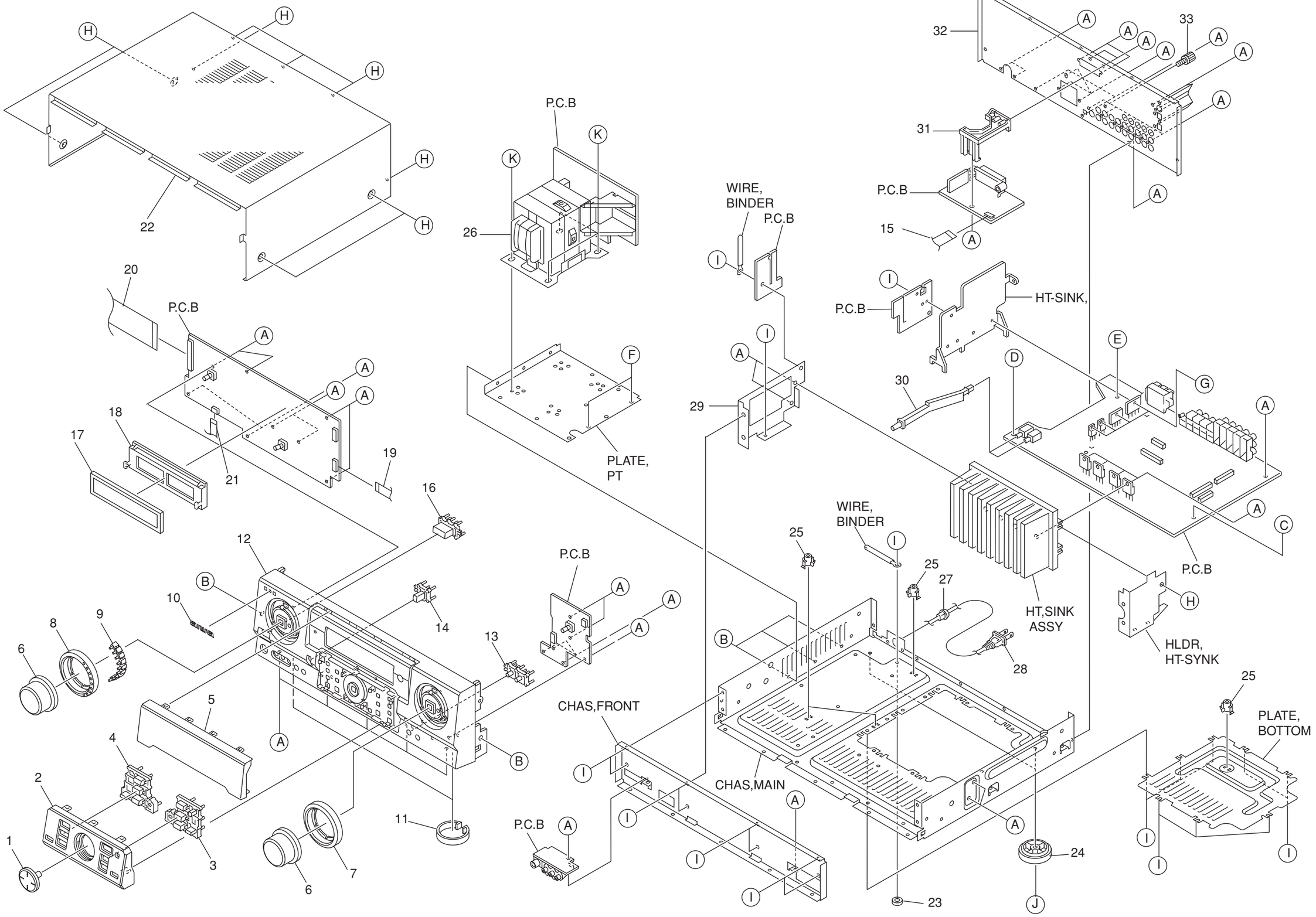
C799
C795
C755
C813
C819
C829
C961
C960
C965
C766
C761
C713
C785
C786
C787
C788
R7069
R729
R728
R724
R726
R722
R804
R805
R7069

SCHEMATIC DIAGRAM – 6 (TUNER)



MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-AR3-006-010		KNOB,RTRY JOG
2	8A-AR5-003-010		PANEL,FR U
3	8A-AR5-007-010		KEY,ASSY,ENTER
4	8A-AR5-005-010		KEY,ASSY,DOLBY
5	8A-AR5-006-010		WINDOW,DISP U
6	8A-AR3-045-010		KNOB,RTRY VOL
7	8A-AR3-007-010		RING,VOL
8	8A-AR3-047-010		RING,FUN
9	8A-AR3-009-010		REFLECTOR,FUN
10	87-CE3-023-010		BADGE,AIWA 30N SILV
11	8Z-AR1-020-110		RING,FOOT SIL
12	8A-AR5-001-010		CABI,FR U
13	8A-AR3-024-010		KEY,BAL
14	8A-AR3-020-010		KEY,ECO
15	88-912-161-110		FF-CABLE,12P 1.25 160MM
16	8A-AR3-021-010		KEY,POWER
17	8A-AR5-602-010		FL,9-BT-172GNK R
18	88-AR1-209-010		GUIDE,FL
19	88-904-101-110		FF-CABLE, 4P 1.25 100MM
20	8A-AR3-643-010		FF-CABLE,32P 1.25 430MM
21	88-908-101-110		FF-CABLE, 8P 1.25 10MM
22	8A-AR5-004-010		CABI,STEEL
23	8Z-NB8-240-010		COVER, PL
24	8Z-AR1-021-110		FOOT,REAR
25	88-AR1-218-010		HLDR,PWB H8.9
⚠ 26	8Z-AR4-601-010		PT,ZAR-4(U)
27	87-085-189-010		BUSHING, CORD (U)
⚠ 28	87-A80-110-010		AC CORD ASSY,U SPT-2W
29	8A-AR5-206-010		HLDR,HT-SINK L
30	8A-AR3-011-010		BTN,SP
31	88-AR1-203-010		HLDR,TU
32	8A-AR5-002-010		PANEL,REAR UBM
33	87-033-209-010		TERMINAL, EARTH
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
C	87-067-633-010		TAPPING SCREW, BVT2+3-8
D	87-067-581-010		TAPPING SCREW, BVT2+3-15
E	87-067-632-010		TAPPING SCREW, BVT2+3-15
F	87-067-585-010		TAPPING SCREW, BVTT+4-6
G	87-067-579-010		TAPPING SCREW, BVT2+3-8
H	87-067-641-010		UTT2+3-8(W/O SLOT)BL
I	87-067-584-010		TAPPING SCREW, BVT2+3-6
J	87-067-689-010		TAPPING SCREW, BVTT+3-8
K	87-078-191-010		S-SCREW,IT+4-10
L	87-721-095-410		QT2+3-8GLD W/O SLOT

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

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